World Mining

Index of published material-1974

Volume 27, Numbers 1 through 6 and 8 through 13

AUTHOR

Almogela, Dominador H.
Philippine porphyry coppers: now 34 known deposits, 8 mines Dec 28

Argall, George O. Jr.
Chile copper miners setting production records; goal 1,000,000 tons Nov 36-42

Argall, George O. Jr.
Aguas Claras, new high grade iron ore mine and washing plant Oct 62-65

Argall, George O. Jr.
POLISH copper symposium features technical information exchange Jan 44-46

Booth, James K. B.
World mining exploration trends - politics of prospecting March 46-50

Boutonnet G.
Arlit uranium mill uses strong acid leach process ..... May 40-42

Cadwell, Graham M.
How problem solving raised capacity of Rio Tinto Patiño's electrolytic copper refinery Aug 34-37

Christoffersen, Tor
SULITJELMA mines narrow copper ore body, operates mini-smelter Feb 44-50

Delicate, Donald T.
Homestake - largest gold mine in United States will raise tonnage May 32-36

Derry, Duncan R.
World mining exploration trends - politics of prospecting March 46-50

Dolezil, M.
Pelletization and direct reduction trends in 1973 ..... Aug 42-47

Ethem, Mehmet Yasar
Black Sea Copper operates mines, mills, and smelter .. Sept 52-55

Finne, Per M.
SULITJELMA mines narrow copper ore body, operates mini-smelter Feb 44-50

Fugleberg, S.
HOW Outokumpu Conversion Process raises Zn recovery Feb 36-42

Gaudin, Antoine
Antoine Gaudin reviews Cu leaching — fresh look at basic facts May 48-50

Hall, Kenneth B.
Homestake uses Carbon-in-Pulp to recover gold from slimes Nov 44-49

Heltzen, A. M.
Smooth blasting with plastic balls May 43

Huggare, T-L
HOW Outokumpu Conversion Process raises Zn recovery Feb 36-42

Hughes, Richard A.
Big Berkeley's little neighbor: new Continental East copper pit April 32-37

Humphris, M. J.
Sonic gas cooling system at Copper Cliff ..... Aug 48

Janelid, Professor Ingvar
Advances in hard rock mining—achievements and expectations Sept 60-63

Jenness, Raymond C.
Determining drive motor requirements for rotary grinding mills Dec 34

Kolosy, Erno
Aluminum smelters — trends in construction and operation June 36-37

Langstaff, Jon T.
Seismic detection system at the Lucky Friday mine .. Oct 58-61

Leger, J. E.
Arlit uranium mill uses strong acid leach process ..... May 40-42

Lillico, T. M.
Economics and open pit design — beware of break-even ratios March 60-64

Martin, Kenneth R.
ERTS MONITORING of surface mining operations .... March 56-57

Michener, Charles E.
World mining exploration trends — politics of prospecting March 46-50

Raae, Brynjulf
SULITJELMA mines narrow copper ore body, operates mini-smelter Feb 44-50

Raring, D. L.
Sonic gas cooling system at Copper Cliff ..... Aug 48

Rastas, J.
HOW Outokumpu Conversion Process raises Zn recovery Feb 36-42

Rau, R.
How to plan open pit workshop and service facilities.. Oct 68-71

Rezníček, J.
Pelletization and direct reduction trends in 1973 ..... Aug 42-47

Schwartz P. L.
INNOVATIVE RAIL TRANSPORT systems cut concentrate losses Jan 38-43

Sutulov, Alexander
Are mineral resources key to Russian-Chinese border disputes? Sep 69-70

Weigel, Horst
Vinto tin smelter—unusual methods to smelt difficult ores July 32-39

Webber, Frank J.
ERTS MONITORING of surface mining operations .... March 56-57

Wyholt, Per
Trackless transport underground calls for new planning ideas Nov 50-54

Zetzsche, Dietrich
Vinto tin smelter—unusual methods to smelt difficult ores July 32-39

COMMODITY

ALUMINUM
Aluminum smelters — trends in construction and operation June 36-37

ASBESTOS
Blue asbestos mining at Koegas in Cape Province, South Africa June 38-39

BEACH SAND
More sand dozed per hp with big crawler ..... July 51

CHROMITE
Mining and processing very low grade chromite in Finland Oct 54-56

COAL
Computer locates trapped miners using new seismic sensing system Oct 72
Oil from coal — How South Africa's Sasol plant operates .. July 48-50
Strip mine Navajo Black Mesa coal, ship by automated railroad to plant June 28-29
Underground communications system for messages, danger warnings, monitoring ..... June 35
Utah Development gets higher prices for Bowen Basin coal.. Sept 64-65

COPPER
Antoine Gaudin reviews Cu leaching—fresh look at basic facts May 48-50
Big Berkeley's little neighbor: new Continental East copper unit April 32-37
Black Sea Copper operates mines, mills, and smelter .... Sept 52-55
Chile copper miners setting production records; goal 1,000,000 tons Nov 36-42
How Mt. Isa uses dry, wet, and cemented fill ..... June 30-35
How problem solving raised capacity of Rio Tinto Patiño's electrolytic copper refinery .... August 34-37
Inspiration cuts SO_2 emissions Oct 57
Philippine porphyry coppers: now 34 known deposits, 8 mines .. Dec 28
POLISH copper symposium features technical information exchange Jan 44-46
SULITJELMA mines narrow copper ore body, operates mini-smelter Feb 44-50

DIAMONDS
How De Beers beats dusty drilling problems ..... Nov 43

GOLD
Homestake — largest gold mine in United States will raise tonnage May 32-36
Homestake uses Carbon-in-Pulp to recover gold from slimes Nov 44-49

IRON
Aguas Claras, new high grade iron ore mine and washing plant Oct 62-65
Bomvu Ridge—Swaziland's high grade hematite mine ..... Sept 66-68
DIRECT REDUCTION TODAY — steel makers assess different processes March 58-59
How Vale do Rio Doce expands to largest iron ore shipper Jan 34-37
Pelletization and direct reduction trends in 1973 ..... Aug 42-47

KAOLIN
Polyurethane lined pipes solve kaolin tailing disposal problem May 44-47

LEAD
St. Joe's high grade ore in new lead belt ..... May 38-39

NICKEL
Bench blasting underground at Inco Aug 41
Selebi-Pikwe nickel-copper on stream April 38-42
Sonic gas cooling system at Copper Cliff ..... Aug 48

SALT
Salt harvest in Baja California—truck, barge, bulker to Japan Sept 56-58

SILVER
Seismic detection system at the Lucky Friday mine ..... Oct 58-61

STONE
96 percent availability is recorded by Diesel trucks in German stone quarry ..... Feb 51

TAR SANDS
Athabasca Tar Sands tough testing for methods and machines Aug 38-40

TIN
Vinto tin smelter—unusual methods to smelt difficult ores.. July 32-39

URANIUM
Arlit, uranium mill uses strong acid leach process ..... May 40-42
Driving longest vertical raise Sept 59
Uranium ore deposits: how they were formed, where they are found July 40-47

ZINC
HOW Outokumpu Conversion Process raises Zn recovery .... Feb 36-42

COMPANY

Anaconda Company .... April 32-37
Bamangwato Concessions Ltd. April 38-42
Black Sea Copper Works Corporation Sept 52-55
Canadian National Railways Jan 38-43
Cape Blue Mines (Pty.) Ltd. June 38-39
Cia Vale do Rio Doce .... Jan 34-37
Consolidated Coal Company June 35
Consolidated Rutile Limited July 51
Consolidation Coal Company Oct 72
Corporacion del Cobre.... Nov 36-42
De Beers Consolidated Mines Ltd. Nov 43
Empresa Nacional de Fundiciones July 32-39
English China Clays Ltd... May 44-47
Exportadora de Sal S.A... Sept 56-58
Great Canadian Oil Sands Ltd. Aug 38-40
Hecla Mining Co. ..... Oct 58-61
Homestake Mining Company May 32-36; Nov 44-49
Inspiration Consolidated Copper Co. Oct 57
International Nickel Company of Canada Ltd. ..... Aug 41, 48
Kennecott Copper Corporation March 55
Mineracoes Brasileiras Reunida S.A. (MBR) ..... Oct 62-65
Mitteldeutsche Hartstein Industrie AG Feb 51
Mount Isa Mines Limited June 30-35
Outokumpu Oy Feb 36-42; Oct 54-56
Peabody Coal Company.. June 28-29
Raise Contracting Ltd. .... Sept 59
Rio Tinto Patiño S.A. .... Aug 34-37
St. Joe Minerals Corporation May 38-39
Sasol ..... July 48-50
Société des Mines de l'Air May 40-42
A/S Sulitjelma Gruber .. Feb 44-50
Swaziland Iron Ore Development Co. Ltd. ..... Sept 66-68
Utah Development Co. .. Sept 64-65
Vinto tin smelter — unusual methods to smelt difficult ores.. July 32-39

LOCALITY

AUSTRALIA
How Mt. Isa uses dry, wet, and cemented fill ..... June 30-35
More sand dozed per hp with big crawler ..... July 51
Utah Development gets higher prices for Bowen Basin coal .. Sept 64-65

BOLIVIA
Vinto tin smelter — unusual methods to smelt difficult ores.. July 32-39

BOTSWANA
Selebi-Pikwe nickel-copper on stream April 38-42

BRAZIL
Aguas Claras, new high grade iron ore mine and washing plant Oct 62-65

How Vale do Rio Doce expands to largest iron ore shipper Jan 34-37

CANADA
Athabasca Tar Sands tough testing for methods and machines Aug 38-40
Bench blasting underground at Inco Aug 41
Driving longest vertical raise Sept 59
INNOVATIVE RAIL TRANSPORT systems cut concentrate losses Jan 38-43
Sonic gas cooling systsem at Copper Cliff ..... Aug 48

CHILE
Chile copper miners setting production records; goal 1,000,000 tons Nov 36-42

CHINA
Are mineral resources key to Russian-Chinese border disputes? Sept 69-70

FINLAND
HOW Outokumpu Conversion Process raises Zn recovery .... Feb 36-42
Mining and processing very low grade chromite in Finland Oct 54-56

GERMAN FEDERAL REPUBLIC
96 percent availability is recorded by Diesel trucks in German stone quarry ..... Feb 51

GREECE
Uranium ore deposits: how they were formed, where they are found July 40-47

GREENLAND
GREENLAND economic geology and minerals report .... March 52-54

HUNGARY
Aluminum smelters — trends in construction and operation June 36-37

MEXICO
Salt harvest in Baja California — truck, barge, bulker to Japan Sept 56-58

NIGER
Arlit uranium mill uses strong acid leach process ..... May 40-42

NORWAY
Smooth blasting with plastic balls May 43
SULITJELMA mines narrow copper ore body, operates mini-smelter Feb 44-50

PERU
Mining development up to the year 2000 ..... April 43-45
Tecnomin '74 — mining fair and machinery exhibit during World Mining Congress in Lima, Peru, November 3rd to 12th ..... Feb 43

PHILIPPINES
Philippine porphyry coppers: now 34 known deposits, 8 mines .. Dec 28

POLAND
POLISH copper symposium features technical information exchange Jan 44-46

REPUBLIC OF SOUTH AFRICA
Blue asbestos mining at Koegas in Cape Province, South Africa June 38-39
DIRECT REDUCTION TODAY — steel makers assess different processes March 58-59
How De Beers beats dusty drilling problems ..... Nov 43
Oil from coal — How South Africa's Sasol plant operates.. July 48-50

SOVIET UNION
Are mineral resources key to Russian-Chinese border disputes? Sept 69-70
Kivcet Process for complex ores June 26-27

SPAIN
How problem solving raised capacity of Rio Tinto Patiño's electrolytic copper refinery ..... Aug 34-37

SWAZILAND
Bomvu Ridge — Swaziland's high grade hematite mine.. Sept 66-68

TURKEY
Black Sea Copper operates mines, mills, and smelter .... Sept 52-55

UNITED KINGDOM
Polyurethane lined pipes solve kaolin tailing disposal problem May 44-47

UNITED STATES
Antoine Gaudin reviews Cu leaching — fresh look at basic facts May 48-50
Big Berkeley's little neighbor: new Continental East copper pit April 32-37
Colorado Mining Convention April 46
Computer locates trapped miners using new seismic sensing system Oct 72
Energy and minerals crises highlight Northwest Mining Association meeting ..... Feb 52-53
ERTS MONITORING of surface mining operations ..... March 56-57
Homestake — largest gold mine in United States will raise tonnage May 32-36
Homestake uses Carbon-in-Pulp to recover gold from slimes Nov 44-49
How coolant protects engines March 55
Inspiration cuts SO_2 emissions Oct 57
Seismic detection system at the Lucky Friday mine ..... Oct 58-61
St. Joe's high grade ore in new lead belt ..... May 38-39
Strip mine Navajo Black Mesa coal, ship by automated railroad to plant June 28-29
Tailing dam spill alert warning system ..... March 51
Underground communications system for messages, danger warnings, monitoring ..... June 35

TITLE

Advances in hard rock mining — achievements and expectations Sept 60-63
Aguas Claras, new high grade iron ore mine and washing plant Oct 62-65
Aluminum smelters — trends in construction and operation June 36-37
Antoine Gaudin reviews Cu leaching — fresh look at basic facts May 48-50
Are mineral resources key to Russian-Chinese border disputes? Sept 69-70
Arlit uranium mill uses strong acid leach process ..... May 40-42
Athabasca Tar Sands tough testing for methods and machines Aug 38-40
Bench blasting underground at Inco Aug 41
Beware of big trucks ..... May 37
Big Berkeley's little neighbor: new Continental East copper pit April 32-37
Biggest ever papers program at XI Mineral Processing Congress Dec 38
Black Sea Copper operates mines, mills, and smelter .... Sept 52-55
Blue asbestos mining at Koegas in Cape Province, South Africa June 38-39
Bomvu Ridge — Swaziland's high grade hematite mine.. Sept 66-68
Chile copper miners setting production records; goal 1,000,000 tons Nov 36-42
Colorado Mining Convention April 46
Computer locates trapped miners using new seismic sensing system Oct 72
Determining drive motor requirements for rotary grinding mills.. Dec 34
DIRECT REDUCTION TODAY — steel makers assess different processes March 58-59
Driving longest vertical raise Sept 59
Economics and open pit design — beware of break-even ratios March 60-64
Energy and minerals crises highlight Northwest Mining Association meeting ..... Feb 52-53
ERTS MONITORING of surface mining operations..... March 56-57
Erwo milling limits overgrind — uses less power ..... Oct 66-67
GREENLAND economic geology and minerals report .... March 52-54
Homestake — largest gold mine in United States will raise tonnage May 32-36
Homestake uses Carbon-in-Pulp to recover gold from slimes Nov 44-49
How De Beers beats dusty drilling problems ..... Nov 43
How coolant protects engines March 55
HOW Outokumpu Conversion Process raises Zn recovery Feb 36-42
How Mt. Isa uses dry, wet, and cemented fill ..... June 30-35
How problem solving raised capacity of Rio Tinto Patiño's electrolytic copper refinery ..... Aug 34-37
How to plan open pit workshop and service facilities ..... Oct 68-71
How Vale do Rio Doce expands to largest iron ore shipper Jan 34-37
INNOVATIVE RAIL TRANSPORT systems cut concentrate losses Jan 38-43
Inspiration cuts SO_2 emissions Oct 57
Installing long ropes and belts for cable belt conveyors.. June 40-42
Kivcet Process for complex ores June 26-27
Mining and processing very low grade chromite in Finland.... Oct 54-56
Mining development up to the year 2000 ..... April 43-45
More sand dozed per hp with big crawler ..... July 51
96 percent availability is recorded by Diesel trucks in German stone quarry ..... Feb 51
Oil from coal — How South Africa's Sasol plant operates .. July 48-50
Pelletization and direct reduction trends in 1973 ..... Aug 42-47
Philippine porhyry coppers: now 34 known deposits, 8 mines .. Dec 28
POLISH copper symposium features technical information exchange Jan 44-46
Salt harvest in Baja California — truck, barge, bulker to Japan Sept 56-58
Seismic detection system at the Lucky Friday mine ..... Oct 58-61
Selebi-Pikwe nickel-copper on stream April 38-42
Smooth blasting with plastic balls May 43
Sonic gas cooling system at Copper Cliff ..... Aug 48
St. Joe's high grade ore in new lead belt ..... May 38-39
Strip mine Navajo Black Mesa coal, ship by automated railroad to plant June 28-29
SULITJELMA mines narrow ore body, operates mini-smelter .. Feb 44-50
Tailing dam spill alert warning system ..... March 51
Tecnomin '74 — mining fair and machinery exhibit during World Mining Congress in Lima, Peru, November 3rd to 12th ..... Feb 43
Trackless transport underground calls for new planning ideas Nov 50-54
Underground communications system for messages, danger warnings, monitoring..... June 35
Uranium ore deposits: how they were formed, where they are found July 40-47
Utah Development gets higher prices for Bowen Basin coal.. Sept 64-65
World mining exploration trends — politics of prospecting March 46-50

TALE OF TAILS

Tale of Tails ..... March 67
Tale of Tails ..... Sept 71

COMPANIES IN THE NEWS

A

Aberfoyle Ltd..... Oct 114
ABEX ..... Oct 114
Abigold Mines Inc. ..... Oct 108
Acaplomo Mining and Development Company Ltd. ..... Feb 74
Acesita..... Oct 92
Acoje Mining Company Inc. Oct 104
Agrico Chemical Company .. June 55
Akita Smelting Co... Feb 65; Nov. 83
Alaska Gold Corp. ..... April 69
Alcan Aluminium Ltd. March 99, 100; April 79; June 62; Aug 72; Sept 106
Alcan Billiton Surinam N.V. Sept 106
Alcan Ireland Ltd. ..... April 79
Alcan Jamaica Ltd. March 89; May 79
Alcoa of Australia (W.A.) Ltd. Nov 86
Alcoa Minerals of Jamaica Ltd. March 89; May 79
Alianza Industrial S.A. June 59; July 72
Allied Eneabba Pty. Ltd. .... Feb. 72
Allied Minerals Ltd. ..... Feb 72
Altos Hornos de Mexico S.A. Aug 80
Altos Hornos de Vizcaya .... Aug 69
Alumina Partners of Jamaica Ltd. March 89; May 79
Aluminium Company of Canada Feb 69
Alumino Extrusao e Laminaquao S.A. March 99
Aluminum Company of America March 45, 97; Aug 72, 78
Aluminum Partners of Jamaica May 79
Aluminum Pechiney S.A. April 80; Nov 72
Alusuisse S.A. ..... Nov 72
Alwest News Ltd. ..... June 60
Amax Copper Mines Inc. .... Jan 55
Amax Explorations Inc. Aug 76; Sept 100
Amax Exploration Australia Inc. June 61
AMAX Inc. March 89; June 52; July 72 Aug 72, 74, 75; Sept 108; Nov 35, 70
Amax Iron Ore Corp. ..... Aug 74
Amax Zinc (Newfoundland) Ltd. Aug 75
American Smelting and Refining Co. Jan 56; Feb 35, 74; March 92; April 68, 78; May 79; June 54; July 58; Aug 78; Sept 100, 104; Nov 88
Ammi Sarda S.P.A. ..... Sept 107
Ampol Mining Pty. Ltd. .... July 70
Anaconda Aluminum Co. .. Aug 72
Anaconda Co. Jan 55; Feb 65, 68, 71; June 54; Nov 76; Dec 67, 78
Anaconda Jamaica, Inc. .. March 89
Anamax Mining Co. Jan 55; March 84
Andes Copper Mining Co. .. Dec 70
P. T. Aneka Tambang .... Sept 101
Anglo American Corp. Australia Ltd. Dec 70
Anglo American Corporation Botswana Ltd. ..... April 75
Anglo American Corporation of Canada Ltd. .. April 78; June 59; Aug 79; Sept 105
Anglo American Corporation Rhodesia Ltd. .... Aug 66; Dec 76
Anglo American Corporation of South Africa Ltd. Feb 71; March 88, 89; Aug 66, 79; Sept 92, 106; Oct 110; Nov 70
Anglo-Transvaal Consolidated Investment Company Ltd. Sept 51, 91
Antimony Products (Pty.) Ltd. Dec 77
Anvil Mining Corporation Ltd. March 98
Aokam Tin Berhad ..... Feb 70
Aquitaine Australia Minerals Pty. Ltd. ..... Feb 73
Arabian Shield Development Co. July 67
Ardal og Sunndal Verk A/S March 99; April 79
Ardeco..... Aug 66
Ardlethan Tin N.L. ..... Oct 114
Argonaut Mineral Exploration Corp. Nov 87
Armco Steel ..... June 54; July 62
Asarco Mexicana S.A. Feb 35; Aug 78
Ashland Oil and Refining Company May 31
Associated Manganese Mines of South Africa Ltd. ..... May 81
Associated Minerals Consolidated Ltd. ..... May 82
Astruminera ..... March 91
Asturiana de Zinc S.A. March 91; Nov 70, 84
Ataka & Co. Ltd. ..... July 72
Atlantic Gold Mines Ltd. .... July 64
Atlantic Richfield Co. ..... May 31
Atlas Consolidated Mining and Development Corp. Jan 60, 61; March 97; May 73; July 66; Oct 91; Nov 87
Atlas Corp. .... Feb 68, 74; Nov 74
Australian Anglo American Ventures Ltd. ..... Jan 54; Aug 74
Australian Mining & Smelting Ltd. July 70; Oct 114
Ayer Hitam Tin Dredging .... Jan 33
Aztec Exploration Co Pty Ltd June 61

B

Bagdad Copper Corp. Feb 65; July 62
Baguio Gold Mining Corp... May 73
Bamangwato Concessions Ltd. March 89; April 75; Nov 70
Bamburi Portland Cement Ltd. Sept 93
Bamino Mineracao e Siderurgia S.A. Feb 71
Banamex ..... Dec 67

Banner Mining Co. ..... Jan 55
Barlow Rand Ltd... Sept 92; Oct 110
Barrier Reef Resources
Aug 77; Nov 85
Bathurst Norsemines Ltd.
Sept 102; Nov 86
Bauxite Alumina Study Co. Ltd.
Aug 66
Beach Sands Mining Ltd. .... July 70
Bear Tooth Mining Co. .... April 68
Belmoral Mines Ltd. ..... April 76
Benguet Consolidated Inc.
April 72; May 66; June 56;
May 66; July 66
Benguet Exploration Inc. ... Jan 61
Beralt Tin and Wolfram Ltd. Nov 80
Berjuntai Tin Dredging Berhad
Jan 33; July 66
Beth-Canada Mining Co. .... Jan 56
Bethlehem Copper Corporation Ltd.
Aug 76; Sept 51
Bethlehem Steel Corp.
Jan 56; June 54; July 71; Sept 101
Bharat Aluminum Company Ltd.
Feb 70
BHP Indonesia Co. Ltd. .... Aug 78
Bidor Malaya Tin Sendirian Berhad
Oct 106
Billiton International Metals N.V.
March 99
Billiton Maatschappij Suriname N.V.
Sept 106
Bindura Smelting and Refining Co.
Dec 76
Bison Petroleum and Minerals Ltd.
Aug 80
Black Mountain Inc. Feb 68; May 73
Black Mountain Mineral Development
Co. ..... May 73
Bleiberger Bergwerks-Union AG
Nov 78; Dec 72
Blue Ridge Mineral Corp. .. Jan 60
Blyvooruitzicht Gold Mining Company Ltd. ..... Sept 92
Boliden Ltd. ..... May 80; Sept 108
Boonsoong Co. ..... Sept 109
Bougainville Copper Pty. Ltd.
Feb 68; April 64; May 73; June
56, 57; Oct 91, 104; Nov 35
Bougainville Mining Company Pty.
Ltd. ..... April 64; May 73
Bow River Resources Ltd.
April 78; Nov 86
Bracken Mines Ltd. ..... Sept 92
Bralorne Resources Ltd.
June 62; Aug 76; Nov 86
Braden Copper Co. ..... Dec 67
Bridge Oil N.L. ..... Sept 101
British Aluminium Company Nov 72
British Insulated Callender's Cables
Ltd. ..... Sept 105
British Kynoch Metals Ltd.
Sept 105; Oct 102
British Steel Corporation
Jan 59; June 49
Broken Hill Pty. Co. Ltd.
May 82; June 60; Aug 74, 78;
Sept 94; Nov 87
Broken Hill South Ltd.
Jan 54; Feb 73; Oct 112; Nov 87
Buka Minerals N.L. ..... Jan 61
Bula Ltd. ..... March 90
Bullion Mountain Mining Ltd. Aug 76
Bureau de Recherches Géologiques &
Minières .... Feb 69; Sept 93, 109

C

Callahan Mining Corporation
Aug 71; Oct 99
Calumet and Hecla Mining Co.
Sept 98
Camino Gold Mines Ltd. .... Feb 71
Canadian Javelin Ltd.
Feb 71; Aug 80; Sept 105; Oct 96;
Nov 85
Canpac Minerals Ltd. ..... Jan 56
Canwex Explorations Ltd. .. Feb 68
Caraiba Metals S.A. ..... Nov 84
Carbon y Cok, S.A. ..... Aug 80
Celtic Minerals Ltd. ..... Aug 77
Centennial Mining Co. .... Sept 98
Cerro Corp.
Feb 35; April 66; May 78;
Oct 94; Dec 67
Cerro de Pasco Corp.
March 99; April 66; Oct 94
Charter Consolidated Ltd.
April 82; Aug 64; Sept 108;
Oct 101; Nov 71
Charter Consolidated (Malaysia) Sdn.
Vhd. ..... Aug 64
Chemetron Corp. ..... Dec 77
Chendering (Australia) Ltd. Sept 101
Chevron Petroleum Company Oct 96
Chib-Kayrand Copper Mines Ltd.
June 62
Chile Exploration Co. ..... Dec 68
Choco Pacific Mines Co. .. Sept 106
Cinko-Kursun Metal Sanayi A.S.
Jan 58
Cities Service Co. ..... March 95
Cities Service International March 95
C. Itoh & Company Ltd. .... Aug 74
City Deep Limited March 85; Sept 92
City Service Gas Company.. June 50
Claymore Resources Ltd. .. Nov 85
Cleveland-Cliffs Iron Co.
May 31; June 50; Aug 73
Cleveland Potash Limited .. Sept 108
Cliffs Robe River Iron Associates
June 50; Aug 73
Cleveland Tin N. L. ..... Oct 114
Cliffs Western Australian Mining Co.
Pty. Ltd. ..... Aug 73
Climax Molybdenum Co. .. May 77
Coal & Allied Industries Ltd.
Sept 94; Nov 87
Coast Copper Co. Ltd. .... Sept 102
Cobar Mines Pty. Ltd. ..... Jan 54
Cobre Carib Corporation .... Aug 72
Cobre de Sonora S.A. ..... Dec 67
Cobre Panama S.A. ..... Jan 61
Colombian Miners Inc. .... Sept 106
Colonial Sugar Refining Company
Ltd. .... April 70; June 60; Aug 74
Colony Development May 31; June 55
Colossal Mining and Exploration
Corp. ..... Jan 61; Nov 88
Colt Resources Ltd. ..... April 76
Comalco Ltd.
Jan 61; May 82; Aug 78; Oct 114
Comibol ..... Aug 78; Nov 85
Cominco Ltd.
Jan 56; Feb 68, 75; April 31, 81;
May 80; Sept 101, 102; Oct 101;
Nov 69
Cominco Europe N.V. ..... Nov 70
Cominco Exploration Ltd. .. Oct 114
Comision de Fomento Minera Nov 84
Commissariat à l'Energie Atomique
Oct 112
Compagnie Aquitaine ..... Feb 73
Compagnie des Bauxites de Guinee
Dec 77
Compagnie des Mines du Benin
May 81
Compagnie des Phosphates et du
Chemin du Fer de Gafsa .. Dec 27
Compagnie des Potasses du Congo
Sept 92
Compagnie la Petite Fay .... Jan 80
Compagnie Minière d'Akouta Oct 112
Compagnie Sénégalaise des Phosphates de Taiba ..... Sept 93
Chia Brasileira de Alumino March 99
Chia de Mineracao Sao Lourenco
Feb 72
Companhia Mineira de Metais Nov 84
Companhia Siderugica Nacional
May 79
Chia. Vale do Rio Doce
Feb 72; March 99, 100; July 72;
Sept 91, 105; Oct 92
Cia. de Acero del Pacifico .. June 59
Cia. Andaluza de Piritas S.A. Nov 78
Cia. de Cobre Chuquicamata S.A.
March 100; April 66; June 59
Cia. de Cobre Salvador S.A.
Jan 51; March 100; April 66;
June 59
Cia. Minera Aguilar S.A. .. Nov 84
Cia. Minera Andina, S.A.
Jan 51; March 100; April 66;
May 78; June 59; Oct 94; Dec 68
Cia. Minera de Cananea S.A. de C.V.
Nov 69
Cia. de Cobre Exotica S.A.
Jan 51; March 100; April 66;
June 59
Cia. Minerales Santander S.A. Nov 84
Cia. Minera Los Angeles
Jan 61; Feb 72
Cia Niquel Colombiana S.A... Oct 96
Cia. Petroquimica Chilena.. Nov 85
Consolidated African Mines Ltd.
May 81
Consolidated African Trust Ltd.
Sept 94
Consolidated Diamond Mines of S.W.
Africa ..... June 52
Consolidated Gold Fields
Australia Ltd. ..... July 70
Consolidated Gold Fields Ltd.
May 82; Dec 74
Consolidated Main Reef Mines &
Estates Ltd. .... March 85; Sept 92
Consolidated Murchison Ltd.
Feb 75; July 69; Dec 77
Consolidated Rutile Ltd. .... Dec 71
Consolidation Coal Co. .... June 50
Consorcio Minero Benito Juarez —
Pena Colorada ..... Feb 71
Continental Oil Co.
June 50; July 62; Nov 74
Continental Ore Corp. .... Sept 93
Conzinc Rio Tinto Australia Ltd.
June 56, 61; Oct 114; Nov 87
Copperfields Mining Corp.
Feb 68; May 79
Copper Range Co. ..... Feb 65
Coronado Copper and Zinc Co.
April 68
Coronation Syndicate Ltd. March 88
Corporacion de Fomento de la
Produccion ..... July 72
Corporacion del Cobre
May 78; Aug 33, 79; Nov 84
Coeur d'Alene Mines Corporation
June 54
Crown Mines Ltd. March 85; Sept 92
Cudgen R. Z. Ltd. ..... Dec 71
Cullinan Refractories Ltd. .. Aug 66
Cuvier Mines Ltd.
May 80; Aug 75; Nov 86
Cyprus Anvil Mining Corp. March 98
Cyprus Bagdad Copper Corp.
April 68; June 54; July 62
Cyprus Mines Corp.
Feb 65; March 98; April 68;
June 54; July 70; Sept 109

D

Dalmine Siderca ..... Oct 92
Dampier Mining Company Ltd.
June 60; Aug 74
Day Mines Inc. ..... Nov 74, 75
De Beers Consolidated Mines Ltd.
June 52; Nov 72
Delta Metal Co. Ltd. ..... Sept 105
Demerara Bauxite Company, Ltd.
March 100
Denison Mines Ltd. ..... Nov 87
Diamond Shamrock Chemical Co.
Nov 83
Dillingham Corp. ..... April 70
Dillingham Mining Co. .... April 70
Dillingham Mining Co of Australia
June 61
Dofasco Australian Pty. Ltd. July 70
Dowa Mining Company, Ltd.
Jan 61; Feb 65; May 74; Aug 77;
Oct 92, 94, 104; Nov 83
Du Pont (Australia) Ltd. .... Feb 72
Durban Roodepoort Deep Ltd. Sept 92
Duval Corp. .... March 84; Sept 95
Duval Sierrita Corporation .. Sept 95
Dynasty Explorations Limited
March 98

E

Earth Power Corp. ..... Sept 100
Earth Sciences Inc. ..... March 45
Eastern Associated Coal Corp.
Jan 33
Eastern Atlantic Iron Ore Co. Ltd.
June 49
East Rand Proprietary Mines Ltd.
March 84
Eastern Transmission Corporation
June 50
East Rand Proprietary Mines Ltd.
Sept 92
East Transvaal Consolidated Mines
Aug 66; Sept 51
Elandsrand Gold Mining Co. Ltd.
Oct 110
Electrolytic Zinc Company of Australasia March 95, 96; June 61; Sept 94
Electrolytic Zinc Industries Ltd.
Feb 65; Dec 71
Elkview ..... Sept 102
El Paso Natural Gas
June 50; Aug 70
El Plata Mining Co. ..... July 59
Elsburg Gold Mining Company Ltd.
Jan 57
Empresa Minera del Peru .. July 72
Empresa Nacional de Minera
Jan 51; Feb 71; Oct 96
Empresa Santa Rita de Minerocao
May 78
Endako Mines Limited (N.P.L.)
Sept 104
Engelhard Minerals and Chemicals
Co. ..... Jan 55
Envoy Resources Ltd. ..... Nov 85
Estel NV Hoesch-Hoogovens July 66
Ethyl Corporation ..... May 78
Etibank ..... Jan 58
Exploitaciones Mineras Izabal S.A.
April 66 June 55
Exploracion Minera Internacional de
España S.A. ..... Nov 69
Exploration und Bergbau GmbH
Feb 71

F

Fairbanks Exploration Co.
April 69; Dec 76
Falconbridge Dominicana S.A.
June 55
Falconbridge Nickel Mines Ltd.
Oct 112; Dec 76
Falcon Mines Ltd. ..... Feb 76
Falcon Rare Metals and Industrial
Minerals ..... Nov 88
Fertaco S.A. ..... March 100
Fina Iberica ..... March 91
Flambeau Mining Corp. .... Feb 74
Fluorsarda S.p.A. ..... March 91
Fluorspar Company of Kenya Ltd.
Sept 92
Fluor Utah Inc. ..... June 55
FMC Corp. ..... Jan 55
Fosfatos du Bu Craa S.A.
Oct 112; Dec 27
Freeport Canadian Exploration Co.
Jan 56
Freeport Indonesia Inc.
March 97; April 73; June 57;
July 66; Oct 104; Nov 88
Freeport Minerals Inc.
Jan 56; June 57; Oct 104
Frialco ..... Nov 72
Friguia ..... Nov 72
Frontier Resources, Inc. .... Dec 79
Frontino Gold Mines Ltd. .. Sept 106
Fundidora de Monterrey S.A.
Feb 72; July 72
Furukawa Mining Company Ltd.
May 74

G

Gécamines
Jan 57; April 31; July 70; Oct 53
Genstar Ltd. ..... Sept 102
Geo-Dyne Resources Ltd. .. Jan 56
Geothermal Resources International
Nov 74
Getty Oil Co..... Feb 65; Nov 86
Gilmore Steel Corp. ..... July 66
Globe Iron Co. ..... July 70
Gold and Base Metal Mines Ltd.
April 75
Golden Cycle Corporation.. April 69
Golden Cycle Gold Program Ltd.
April 69
Gold Fields of South Africa Ltd.
Oct 110
Gold Mines of Kalgoorlie (Australia)
Ltd. ..... Feb 73; Aug 74
Gold Reserve Corp. ..... Nov 73
Goldsworthy Mining Associates
Jan 54
Goldsworthy Mining Ltd.
March 95; July 70
Government Gold Mining Areas
(Modderfontein) Consolidated Ltd.
March 84
Granby Mining Co.
Jan 56; April 31, 76
Gränges AB ..... Jan 59; Sept 108
Gränges Essem ..... April 79
Gränges International Mining
Sept 109
Granisle Copper Ltd. .... April 31
Granite Mountain Mines Ltd.
March 98
Great Lakes Nickel Ltd. .... May 80
Greenex A/S ..... April 81
Grootvlei Pty. Mines Ltd.
March 84; Sept 92
Grupo Varella..... Dec 67
Gulf Energy and Minerals Co. Dec 79
Gulf Oil Corporation
April 68; May 31
Gulf Pipeline Company .... June 50
Gulf Research & Development Co.
June 55
Gulf Western Industries, Inc.
Sept 98; Nov 71
Gunnex Ltd. ..... Sept 104
Guyana Bauxite Company Ltd.
Feb 71; March 100; April 66

H

Hachinohe Smelting Co. .... Feb 65
Halco Mining Co. ..... Dec 77
Hamersley Holdings Ltd.
March 95; Nov 87
Hamersley Iron Pty. Ltd. .... Feb 70
Hanna Mining Co.
April 66; Sept 91; Oct 96
Hanwright Minerals ..... Jan 54
Harmony Gold Mining Co. Ltd.
Sept 92
Hartebeestfontein Gold Mining Co.
Ltd. ..... Sept 51
Hecla Mining Co. ..... Aug 70
Henrietta Mines Ltd. (N.P.L.)
Nov 74; Dec 79
Hibbing Taconite Project
Sept 101; Dec 79
Hibino Metal Industry Company
July 67
Hierro Patagonico de Sierra Grande
Jan 61

Highhawk Mines Ltd. ..... Nov 86
Hojalata y Lamina S.A. .... Nov 85
Homestake Mines Ltd. ..... Sept 92
Homestake Mining Co. .... Sept 98
Hoogovens IJmuiden BV .. June 49
Horton International Inc. .. April 69
Hudson Bay Exploration and Development Company Ltd. .... March 98
Hudson Bay Mining and Smelting Company, Ltd.
March 98; June 59; July 64; Aug 79; Sept 106
Hunosa ..... Dec 72
Hullera Mexicana..... Aug 80
Hydro Nuclear Corp. ..... Feb 73

I

Ice Station Resources Ltd. .. Jan 56
Impala Platinum Ltd. ..... Sept 92
Imperial Chemical Industries Ltd.
July 68; Sept 108
Imperial Metals Industries Ltd.
Sept 105
Imperial Oil Enterprises Ltd.
May 80; Aug 75; Nov 86
Imperial Smelting Furnace.. Sept 107
Indian National Mining Development Co. ..... Oct 106
Industrial Development Corporation of South Africa Ltd. ..... Nov 71
Industria Minera Mexico S.A.
Aug 78; Nov 69
Industrias Peñoles ..... Nov 69
Industries Chimiques du Fluor
Sept 93
Infanta Mineral & Industrial Corp.
Oct 103
Inland Copper Ltd. ..... Oct 109
Inland Steel Company ..... July 62
Inspiration Consolidated Copper Co.
Feb 65; March 92
Instituto Nacional de Industrias
Feb 69; March 99; Sept 108; Oct 101
International Minerals and Chemical Corporation ..... Aug 71; Dec 27
International Mining Corporation N.L. ..... Aug 79
International Nickel Company of Canada Ltd.
Feb 71; April 66; June 55; July 64
Iran Steel Industries .... March 94
Iron Mines Co. of Venezuela July 71
Iso Mines Ltd. ..... Feb 68
Italcementi ..... April 80

J

Jennings Mining Co. ..... June 61
Johannesburg Consolidated Investment Company Ltd.
May 81; July 69; Dec 76, 77
Johns-Manville Corporation Aug 33
Jordan Phosphate Mines Co. Dec 27

K

Kaiser Aluminum and Chemical Co.
March 97; Aug 66, 72; Oct 110
Kaiser Bauxite Co. March 89, May 79
Kaiser Resources Ltd.
May 79; Sept 102
Kalgoorlie Lake View Pty. Ltd.
Feb 73; Aug 74
Kamilaroi Mines Ltd. .... March 96
Kampong Lanjut Tin Dredging Berhad
Jan 33
Kamunting Tin Dredging Ltd. Jan 33
Kanmantoo Mines Ltd. ..... Jan 54
Kawasaki Steel Corp. .... Oct 104
Kenneco Explorations (Aust.) Pty. Ltd.
Jan 61
Kennecott Copper Corp.
Jan 56, 61; Feb 68, 73, 74,75, 76; March 84, 92, 98; April 64, 69, 70; May 73; July 58, 62, 72; Aug 71, 72,75; Sept 98; Oct 98, 104; Nov 71, 73, 88; Dec 67
Kennecott Pacific Pty. Ltd. .. Feb 73
Kerr McGee Chemical Corp. July 62
Kerr McGee Corp. ..... Feb 74
Kilembe Mines Ltd. ..... Feb 76
Kimberley Ventures Exploration
July 70
Kimberlitic Searches ..... Nov 72
King Resources Inc. ..... Feb 75
Kinross Mines Ltd. ..... Sept 92
Kinta Kellas Ltd. ..... Jan 33
Knob Hill Mines Inc. ..... Nov 75
Kramat Tin Dredging Berhad Jan 33
Kuala Kampar Tin Fields Berhad
Jan 33

L

Laguna Resources Ltd. ..... Jan 55
Lake View and Star Ltd.
Feb 73; Aug 74
La Luz Minez Ltd. ..... Jan 61
LaRonge Mining Ltd. June 62; Aug 76
Laurasia Resources Inc. .... Feb 75
Leadville Corp. ..... Nov 74
Leighton Mining N.L. .... Sept 109
Lepanto Consolidated Mining Co.
July 66; Sept 100, 101; Nov 88
Lepanto Exploration (Asia) Ltd.
Sept 101
Leslie Gold Mines Ltd. .... Sept 92
Liberian American Swedish Minerals Co. ..... Feb 76
Lobo Mines, Inc. ..... Jan 56
Lonrho Ltd. ..... Sept 92
Loraine Gold Mines Ltd. .... Sept 91
Lornex Mining Corporation Ltd.
April 76; Aug 67
Lower Perak Tin Dredging Berhad
Jan 33
LVO Corp. ..... Sept 100
Lytton Minerals Ltd. June 59; Aug 79
Lytton Minerals Ltd. ..... Sept 106

M

Magellan Minerals (N.Z.) Ltd.
Sept 101; Oct 103
Magellan Petroleum Australia Ltd.
Sept 101
Magma Copper Co. March 92; Oct 98
Magma Power Co. ..... Nov 74
Malaysian Titanium Corp .. Jan 58
Manitoba Minera Resources Ltd.
March 98
Marathon Oil Co. ..... April 68
Marcona Corp.
Feb 72; July 66; Oct 106; Dec 75
Marcona Mining Co. ..... Jan 61
Marcopper Mining Corp. .... May 73
Marievale Consolidated Mines Ltd.
March 84; Sept 92
Marinduque Mining and Industrial Corp.
May 73; June 55; Oct 103; Dec 80
Marline Oil Corp. ..... Dec 79
Marshall Oman Exploration Inc.
May 74; Oct 105
Marubeni Corporation
Aug 77; Sept 93; Oct 94, 104; Nov 87
Mary Kathleen Uranium Ltd.
Feb 65; June 61; Sept 94
Massval Mines Ltd. ..... July 64
Maverick Mines Ltd. ..... April 76
Messina Transvaal Development Company Ltd. ..... July 70
Metallgesellschaft AG Feb 71, Nov 78
Metallic Minerals Agency of Japan
Nov 83
Métallurgie Hoboken-Overpelt
April 31, 69; July 70
Metals Exploration Asia .. May 74
Metals Exploration N.L.
April 73; May 74
Metalurgica Mexicana Peñoles S.A.
Oct 96
Metramar Minerals Ltd.
Aug 74; Dec 70
Mexicana de Cobre, S.A.
Feb 35; Aug 78; Nov 69
Michigan Wisconsin Pipeline Company
June 50
Michiquillay Copper Corp... May 78
MIM Holdings Ltd.
April 70; Sept 94; Oct 104; Dec 70
Minas de Almaden May 71; June 50
Minas de Almagrera
Sept 108; Nov 78
Minas del Otono S.A.
June 59; Sept 106
Minas de San Luis S.A.
April 66; July 71; Sept 105; Nov 85
Minera de Andevalos ..... Nov 78
Mineracoes Brasileiras Reunidas S.A.
Sept 91
Minera Exotica S.A. ..... June 59
Minera Frisco, S.A. ..... Sept 92
Minera Lampozos S.A. ..... Dec 67
Minera La Paz ..... Nov 84
Minera Monte Cristo S.A. .... Dec 67
Minerales Industriales S.A... Nov 84
Minerals and Metals Trading Corp. (India)
Jan 58; Feb 70; June 58; Nov 82
Minero-Peru
March 110; May 79; June 59; Oct 94
Mineros Colombianos ..... July 71
Mitsubishi Chemical Industries
Feb 65; Aug 66
Mitsubishi-Cominco Joint Co. Feb 65
Mitsubishi Corp. ..... March 84
Mitsubishi Hiaing Cement .. July 72
Mitsubishi Metal Corp.
Jan 61; Feb 65; May 74; June 49
Mitsui Aluminum Co. Feb 65; Aug 66
Mitsui and Company Ltd.
April 83; Aug 74; Oct 106
Mitsui-C Itoh Iron Pty. Ltd... Aug 74
Mitsui Metal Mining Co. .... Feb 65
Mitsui Mining and Smelting Co.
Jan 61; Feb 71; March 99, 101; April 70, 82; May 74; July 66
Mobil Oil Corporation ..... Sept 91
Molybdenum Corporation of America
Oct 99
Mt. Isa Mines Ltd.
July 66; Aug 77; Sept 94
Mt. Newman Joint Venture.. Aug 73
Mt. Newman Mining Company Pty. Ltd. ..... Jan 54; March 95
MTD Mangula Ltd. ..... Feb 75
Multi-Minerals Ltd. ..... Feb 68
Murphyores Holdings Ltd.
April 70; June 61
Myanma Bawdwin Corp. .. Oct 106
Myanma Mineral Development Corp.
Nov 82; Dec 68

N

National Coal Board (UK)
March 91; June 49; July 68; Dec 71
National Iranian Steel Industries Co.
Sept 109
National Steel Corporation March 45
Natural Gas Pipeline Company
June 50
Nchanga Consolidated Copper Mines Ltd.
Jan 57; March 89; April 65, 78; May 82; July 70; Sept 92; Nov 72
Ndola Lime Co. ..... Jan 75
New Broken Hill Consolidated Ltd.
June 56; July 70
New Caledonian Nickel Company
March 97
Newfoundland Zinc Mines .. Aug 75
New Jersey Zinc Co.
March 95; April 83; June 58, 59; Aug 71, 78; Sept 98; Oct 92, 99
Newmont Mining Corp.
Feb 35, 73; March 92; May 66; June 52; Aug 66; Oct 98
Newmont Pty Ltd... Feb 73; Oct 114
Newmont South Africa Ltd... May 67
New Zealand Aluminium Smelters Limited ..... Jan 60
Nibrasco Co. ..... July 72
Nicolet Industries Inc. ..... Nov 84
Nigadoo River Mines Ltd. .. May 80
Nippon Kokan Kabushiki Kaisha
July 66
Nippon Light Metal Co.
Feb 65; Aug 66
Nippon Mining Company Ltd.
Feb 65; April 75, 83
Nippon Steel Corp.
Feb 72; July 66; Sept 91
Nissho-Iwai Company Ltd... Oct 106
Nisso Metals Company .... Feb 65
Nittetsu Mining Co. ..... Nov 86
N. L. Industries ..... Dec 72
Noranda Mines Ltd.
Feb 65, 71, 75; March 84, 90; July 62; Aug 75; Oct 99, 101; Nov 72, 85
Nord Canamerex Partnership
May 78; Oct 94
Norddeutsche Affinerie ..... Dec 75
Nord Resources Corp.
May 78; July 69; Oct 94
Norpac Mining Ltd. ..... July 66
Norsigo Inc. ..... Nov 74
Norsk Hydro A.S. ..... March 99
Northair Mines Ltd. ..... April 78
North Broken Hill Ltd.
Jan 54; July 70
Northern Natural Gas Company
June 50
Northern Mining Corp.
Jan 54; Sept 94
North Flinders Mines Ltd.
Jan 54; Aug 74
Northgate Exploration Ltd.
Jan 59; March 90; Oct 101
Nova Development Ltd. .... Jan 55
N.R.D. Mining Ltd.
Jan 65; June 59; July 72; Aug 79

O

Oil Shale Corp. ..... May 31
Okara Trading Co. ..... Oct 106
Olin Corp. ..... Nov 72
Oltenia S.A. ..... Aug 80
Olympic Mines and Development Corp. ..... Oct 103; Nov 87
Omico Mining & Industrial Corp.
Jan 60
Onahama Smelting Co. .... May 74
O'okiep Copper Company Ltd.
May 67; June 52; Dec 75
Oremco Inc. ..... June 49
Orinoco Mining Company .. July 71
Outokumpu Oy ..... Jan 60
Overseas Mineral Resources Development Co. ..... Feb 71
Overseas Mineral Resources Development Sabah ..... July 72
Overseas Uranium Resources Development Company (Japan) Oct 112

P

Pacific Copper Explorations Ltd.
Feb 73
Pacific Metals Co. ..... Nov 87
Pacific Silver Corp. ..... Jan 55
Pahang Consolidated Company Ltd.
May 74
Palabora Mining Company Ltd.
March 88; June 52; Nov 69; Dec 76
Pancontinental Mining Ltd.
Feb 65; Nov 86; Dec 71
Pande Magnesite Co. ..... Aug 66
Panhandle Eastern Pipeline Company
June 50
Paracale Gumas Consolidated Mining Company Inc. ..... June 57
Paringa Mining & Exploration Company ..... Oct 114
Patiño Mines (Quebec) Ltd. March 98
Patiño N.V.
March 98; April 73; June 59; Aug 79; Sept 106
Pato Consolidated Gold Dredging Ltd. ..... July 71; Sept 106
Paul F. Scholla & Associates July 67
Pavonia S.A. .... Aug 80; Sept 105
Péchiney Ugine Kuhlmann
Feb 69; Sept 93
Pegasus Explorations Ltd. .. Nov 73
Peko-Wallsend Ltd.
Feb 65; Sept 94; Nov 87; Dec 71
Pellet Corporation of the Philippines
Oct 104
Penamax S.A. ..... May 73
Pengkalen Ltd. ..... Oct 106
Petaling Tin Berhad ..... Oct 106
Petromin (S.A.) ..... July 66
Phelps Dodge Corp.
Feb 35, 65, 74; March 92; April 68; May 31, 66, 76; June 49, 52; Sept 104; Nov 75; Dec 67
Philex Mining Corp. Feb 68; May 73
Phillip Brothers ..... Jan 55
Philippines Iron Mines Inc.
Oct 104; Nov 88
Phillips Petroleum Co. ..... May 31
Pickands Mather & Co.
Sept 101; Oct 108
Pickands Mather & Co. International
June 49; July 70
Pickle Crow Explorations Ltd.
March 93
Piedmont Mineral Associates
Aug 71; Oct 99
Pilbara Iron Ltd. ..... Aug 74
Pima Mining Co. ..... Feb 65
Pinnacle Mines Ltd. ..... Sept 104
Placer Amex Inc. ..... Nov 73
Placer Development Ltd.
Sept 104; Nov 73
PN Batubara ..... Jan 58; April 73
P.N. Timah Mining Co. ..... Dec 80
Ponce Mining Company .... Aug 72
Poseidon Ltd. ..... Dec 70
Potasas de Navarra S.A. .. Oct 101
Preussag AG ..... Dec 75
Prieska Copper Mines (Proprietary) Ltd.
May 67; July 70; Sept 51; Dec 75
Prospection Ltd... May 74; Oct 105
P.T. Broken Hill Pty (Indonesia)
Aug 77
P.T. International Nickel Indonesia
June 55

Q

Quebec Cartier Mining Company
June 62
Quebec Iron and Titanium Corp.
Feb 75; March 98; Nov 71
Quebec Uranium Mining Corporation
March 98; Aug 76
Queensland Mines Ltd. .... Sept 94
Queensland Phosphate Pty. Ltd.
Feb 73
Quintana Minerals Corp. .... Nov 86

R

Ranchers Exploration and Develop-

ment Co. ..... Sept 100; Dec 79
Rand Mines Ltd. ..... Sept 92
Rand Mines Properties Ltd... Sept 92
Rayrock Mines Ltd. ..... Aug 77
Republic Steel Corp. June 54; July 62
Reserve Mining Company
June 54; July 62; Aug 70, 71; Nov 73
Resource Development Corp. (Pakistan)..... Dec 68
Revere Copper and Brass, Incorporated ..... Aug 72
Revere Jamaica Alumina Ltd.
March 89; May 79
Reynolds Jamaica Mines Limited
March 89; May 79
Reynolds Mines Guyana Ltd.
March 100
Reynolds Metals Co.
March 99, 100; June 60; Aug 72
Reynolds Suriname Mines Limited
July 72
Rheinischen Braunkohlenwerke AG
July 57; Sept 108
Rhodesion Iron and Steel Corp.
Sept 93
Rhodesian Mining Promotion Corp.
Sept 92
Rhodesian Nickel Corporation Ltd.
Aug 66; Dec 76
Richards Bay Iron & Titanium Ltd.
Nov 71
Rio Tinto Management Services South Africa (Pty) Ltd. .. Sept 92
Rio Tinto-Patiño S.A.
Jan 60; April 65; Aug 68; Nov 78
Rio Tinto (Rhodesia) Ltd.
Aug 66; Dec 77
Rio Tinto-Zinc Corporation Ltd.
March 84, 99; April 74; June 25; Aug 68; Nov 69; Dec 76
Roan Consolidated Mines Ltd.
March 89; April 74; Aug 66
Robe River Ltd. .. Jan 54; March 95
Robertson Research Ltd. .... Jan 60
Rosario Dominicana S.A. .. Jan 62
Rosario Mining of Nicaragua Inc.
Jan 61; March 101
Rosario Resources Corp.
Jan 61; March 101; Oct 96
Rössing Uranium Ltd.
April 74; June 25; Sept 92
Ross Pass Mines Ltd. ..... Nov 75
RTZ Development Enterprises Ltd.
Feb 69
Rudarski Topionicarski Bazen Bor
Sept 108
Rudarsko-Metaluraski Kombinat-Trepca ..... Nov 80
Rudnik za Bakar ..... Dec 74
Ruhrkohle AG ..... June 25
Rustenburg Platinum Mines Ltd.
March 89

S

St. Helena Gold Mines Ltd... Sept 92
St. Joe Minerals Corp.
May 78; Oct 94; Nov 84
St. John d'el Rey Mining Company, Limited ..... Sept 91
St. Lawrence Columbium and Metals Corporation .... July 64; Oct 108
Selco Mining Corp. ..... Oct 108
Selection Trust Ltd. Aug 74; Sept 94
Seltrust Iron Ore Ltd. ..... Aug 74
Shell Coal Botswana .... April 74
Shell Mijnbouw ..... Jan 58
Shell Oil Company April 73; May 31
Showa Denko K. K.
Jan 61; Feb 65; Aug 66
Sidbec-Dosco Ltd. ..... June 62
Silmag (Philippines) Inc... Sept 101
Silver Eureka Corp. ..... Jan 60
Silver King Mines Inc. Jan 55; May 77
Silver Standard Mines Ltd.
Jan 56; April 78
Smelter Corporation of Ireland
March 90
S.A. Mineracao da Trinidade
March 100
Sociedad Minera de Cutter Cove
Oct 96
Sociedad Minera El Teniente S.A.
Jan 51; March 100; April 66; June 59; Dec 67
Sociedad Minera y Metalurgica de Peñarroya-Espana
Sept 108; Nov 70
Societa per l'Industria del Salgemma S.p.A. ..... Dec 74
Société Centrafricaine d'Exploitation Diamantifère ..... Feb 75
Société de Développement Industriela Minier du Zaire .. Jan 57; April 75
Société des Mines de Zellidja Dec 75
Société Générale des Minerais
March 91; April 31; July 70
Société pour le Développement Minier de la Côte d'Ivoire ..... June 49
Société Métallurgique Calédonienne
April 73
Société Métallurgique Nickel May 73
Société Minière de Bakwanga Jan 57
Société Minière de Moba .. Sept 93
Société Minière de M'Passa Sept 92
Société Minière de Tenké-Fungurumé
Jan 57; Dec 76
Société Minière et Métallurgique de Penarroya S.A.
Feb 69; May 73; July 69; Sept 107
Société Nationale des Mines de M'Fouati (Sonamif) .... Sept 92
Société Nationale des Mines de Sounda (Sonamis) ..... Sept 92
Société Nationale des Pétroles d'Aquitaine .... May 73; Sept 93
Société Le Nickel
March 97; April 73; May 73
Société Sénégalaise des Phosphates de Thiess ..... Sept 93
Société Tunisienne d'Expansion Minière ..... Sept 93
Soekor ..... Feb 76
Sohio Petroleum Co. ..... May 31
Soquem ..... May 79
South African Iron & Steel Industrial Corp. ..... April 75; May 81
South American Development Co.
Aug 80
Southern Kinta Consolidated Ltd.
Jan 33
Southern Natural Gas Company
June 50
Southern Peru Copper Corp.
Feb 35; April 66; June 59; July 71
Southern Union Production Co.
Nov 74
Southwire Co. ..... March 45
Spartan Explorations Ltd. .. July 59
Sproatt Silver Mines Ltd. .. Nov 85
Standard Metals Corporation Nov 75
Standard Oil Company of Indiana
April 68; May 31; June 50
Steel Works of Northern Greece
Sept 108
Steinkohlen-Elektrizität AG June 25
Stora Kopparberg AB ..... Aug 68
Sulawesi Development Co. Sept 101
Sullivan Mining Group Ltd.. May 80
Sumitomo Chemical Company Ltd.
Jan 61; Feb 65; March 97; Aug 66
Sumitomo Metal Mining Company Ltd.
Feb 65; April 70; Aug 77; Oct 103, 104; Dec 80
Sumitomo Shoji Kaisha Ltd.
June 49; Aug 77; Oct 104
Sungei Way Dredging Bhd.
Jan 33; March 94, 95
Sun Oil Company.. May 31; June 50
Suriname Aluminum Co. .... July 72

T

Taiwan Metal and Mine Co. Oct 103
Talisman Mines Limited .. Sept 104
Tanjong Tin Dredging Ltd.
Sept 109; Oct 106
Tara Exploration and Development Company Ltd... March 90; Oct 101
Tara Mines Ltd... March 90; Oct 101
Taseko Mines Ltd... June 62; Nov 86
Teck Corporation Ltd. May 79; Aug 75
Tennessee Gas Pipeline Company
June 50
Texasgulf Inc.
Jan 54; July 64; Aug 73; Sept 102; Oct 108
Thai Zinc Co. Limited
March 95; April 83; June 57
Thermal Resources Inc. .. Sept 100
Thiess Holdings Ltd. ..... April 70
Thiess-Peabody-Mitsui .... April 70
Toho Zinc Company Ltd.
Feb 65; Nov 83
Tongkah Harbour Tin Dredging Berhad
Feb 70
Tormex Mining Developers Ltd.
Sept 106
Tournigan Mining Exploration Ltd.
Aug 77
Transcontinental Gas Pipeline Corp.
June 50
Trans-Philippine Investment Corp.
Sept 101
Trederd Mining and Industrial Corp.
Oct 103
Triako Mines N.L. ..... Jan 61
Tronoh Mines Ltd.
April 82; Aug 64; Oct 106
Tsumeb Corporation Limited
June 52; Aug 66
Turkish Coal Institute .... March 95

U

Unicorp Barlows Ltd. Sept 92; Oct 110
Union Carbide Corp. Jan 55; Dec 77
Union Corporation Ltd.
Sept 92; Oct 110; Nov 70, 71; Dec 71
Union Explosivos-Rio Tinto
Aug 68; Nov 78
Union Minière Exploration & Development Co. Ltd. ..... Sept 102
Union Minière Exploration and Mining Corporation Ltd.
April 78; Oct 108
Union Minière S.A.
March 91; April 31, 78; July 57, 70; Sept 102, Nov 84, 86
Union Sidérurgique du Nord et de l'Est de la France ..... June 49
United Kingdom National Coal Board
Oct 102
United Nuclear Corp. Aug 71; Sept 98
United States Atomic Energy Commission ..... Oct 99
U.S. Smelting, Refining, and Mining Co. ..... April 69
United States Steel Corp.
Feb 35, 72, 74; May 67; June 54; July 71; Aug 66, 69, 70; Sept 94
Universe Tankships Inc. .... Feb 75
Urangesellschaft m.b.H. & Company KG. ..... Sept 100
Uranium Recovery Corp. .... Aug 71
Usine à Cuivre et à Zinc de Liège
April 69
Utah Development Co.
Aug 74; Oct 114
Utah International Resources Inc.
Feb 68; May 73; July 70; Aug 74
Utah Mining Australia Ltd... Aug 74
U.V. Industries Inc. April 69; Aug 69

V

Vaal Reefs Exploration and Mining Company Ltd. ... Feb 75; Aug 63
Vereeniging Refractories Ltd. Aug 66
Vereinigte Aluminum-Werke AG
Nov 72
Village Main Reef Gold Mining Co. (1934) Ltd. .... March 85; Sept 51
Vlakfontein Gold Mining Company Ltd. ..... March 84
Volta Aluminum Co. Ltd... Oct 110

W

Wankie Colliery Company Ltd.
Feb 75
Washington Sycip ..... Sept 101
Welcome North Mines Ltd. .. Aug 76
West African Iron Ore Co Ltd.
June 49
Western Areas Gold Mining Company Ltd. ..... Jan 57
Western Deep Levels Ltd. .. Oct 110
Western Mines Ltd. ..... March 98
Western Mining Corporation Ltd.
Jan 54; Feb 65; Nov 87; Dec 70
Western Minolco Corp. .... April 73
Western Nuclear, Ltd. .... June 55
Western Selcast Ltd. ..... Sept 94
Western Titanium N. L. .... Oct 114
Western Ultra Deep Levels.. Oct 110
Winkelhaak Mines Ltd. .... Sept 92
Wheal Jane Ltd. ..... Dec 74
Witwatersrand Deep Ltd. .. Oct 110
W. R. Grace and Co. May 81; Aug 71

Y

Yava Mines Ltd. ..... Sept 104
Yukon Gold Placers, Ltd. .. Sept 104
Yukon Revenue Mines Limited
Sept 102

Z

Zapata Corp. .... Jan 56; April 76
Zinc Corporation Ltd. ..... July 70

METALS & MINERALS PRICES

LONDON*

25 November 1974

		Per Metric Ton	Per Pound
ALUMINUM:	Ingot, 99.5%	N.A.	N.A.
COPPER:	Wirebar	£603	63.46¢
GOLD:	Per Troy ounce		$182.50
LEAD:	Refined 99%	£227.5	23.94¢
MERCURY:	Per flask of 76 pounds	£110-115	$268-273
SILVER:	Per Troy ounce	194.30p	$4.50
TIN:	Standard 99.78%	£3,160	$3.32
TUNGSTEN:	Metric ton unit		$47.00-$48.00
ZINC:	Virgin, 98%, spot	£338	35.57¢

*Per metric Ton USA Equivalent cents per pound. With Sterling Pound at $2.32

CANADA

ALUMINUM: Primary 50 pound ingots (99.5% plus), base price f.o.b. shipping point—freight paid to customer's plant in Canada .... No quote
ANTIMONY: 99.6 percent, in casks, per pound $2.10
COPPER: Electrolytic, per pound ..... 75.50¢
LEAD: Virgin brands per pound ..... 21.5 ¢
NICKEL: Electrolytic, f.o.b. Thorold, Ontario, per pound $1.85
SULPHUR: f.o.b. plant for shipment to Canadian and U.S.A. customers $37.50
ZINC: Prime Western, per pound ..... 37.00¢

Montreal or Toronto unless otherwise quoted.
All prices are in Canadian Currency.

U.S.A. METALS

COPPER: Electrolytic wirebar. F.o.b. cars (Per pound) .... 75.62¢-77.00¢
LEAD: Common Grade. (Per pound) ..... 24.50¢
ZINC: Prime Western. (Per pound) ..... 38.00¢-40.00¢
ALUMINUM: Primary 50 Pound Ingots (99.8% plus) (Per pound) ..... 39.00¢-39.50¢
ANTIMONY: Lone Star Brand. F.o.b. Laredo, in bulk (Per pound) .$2.65
ARSENIC: Crude minimum of 95% As_2O_3, carload lots (Per pound) 3.20¢
BISMUTH: (In ton lots) price per pound $9.00
CADMIUM: Sticks and bars. 1 to 5 ton lots. Price per pound, producers ..... $4.30-$4.35
COBALT: 97-99%. Keg of 500 pounds (Price per pound) $4.00
COLUMBIUM: Ingot ..... Nominal, per pound $45.00-$48.00
GERMANIUM: dioxide, kilogram $293.00
INDIUM: in 10.000 ounce lots (per ounce) ..... $2.00-$2.50
LITHIUM: 99.9% (per pound) $8.18
MAGNESIUM: Ingots (99.8%). F.o.b. Velasco, Texas, per pound .. 75.00¢
MERCURY: Flasks. 50 Flask Lots, New York ..... $273-$278
NICKEL: "F" Ingots (5 pounds). F.o.b. Port Colbourne, Ontario .. $1.85
SELENIUM: 99.5% per pound $18.00
TELLURIUM: Common grade, per pound $9.00
THORIUM: Per pound $15.00
TIN: Grade A Brands. Straits, ex-dock spot $3.50
TITANIUM: 99.3% + Grade A-1 Sponge (Per pound) $2.25
URANIUM: Normal, per pound $8.00
VANADIUM: Per pound ..... $2.12-$2.25
GOLD: United States Treasury Price, per ounce $42.22
London $182.50
SILVER: New York: Per ounce $4.50
PLATINUM: Per ounce ..... $180.00-$200.00
ZIRCONIUM: Sponge. Producer's price per pound, reactor grades ..... $12.00-$13.00